

List of the Lepidoptera of Mergui and its Archipelago collected for the Trustees of the Indian Museum, Calcutta, by Dr. John Anderson, F.R.S., Superintendent of the Museum.  
By FREDERIC MOORE, A.L.S., F.Z.S.

[Read 3rd June, 1886.]

(PLATES III. & IV.)

THE Lepidoptera comprised in this collection consist of 208 species of Butterflies and 64 species of Moths. Of the Butterflies, *one third* of the number are species that are common to both the Continent of India and the Malay Peninsula. About *one fourth* are confined to Burmah and the Malay Peninsula, and about *one eighth* extend northward to the Khasia Hills; the remaining *one fourth*, so far as is yet known, being Burmese—some few of these latter species also extending, on the one hand, to Siam, and two or three, on the other hand, to the Andamans and Ceylon. Of the 64 species of Moths, *one third* are also common to India and the Malay Peninsula, *one fourth* are Burmese and Malayan, and *one fourth* extend northward, *three* only being strictly Burmese.

### RHOPALOCERA.

Family NYMPHALIDÆ.

Subfamily EUPLŒINÆ.

HESTIA AGAMARSCHANA, *Felder, Nov. Reise, Lep.* ii. p. 351, pl. 43. f. 7 (1867).

Minthantoung (Dec.).

RADENA VULGARIS.

*Danais vulgaris, Butler, Ent. M. Mag.* xi. p. 164 (1874).

Mergui (Dec.).

TIRUMALA LIMNIACE.

*Papilio Limniace, Cramer, Pap. Exot.* i. pl. 59. f. D, E (1775).

Mergui (March); Tavoy (Dec.).

TIRUMALA SEPTENTRIONIS.

*Danais septentrionis, Butler, Ent. M. Mag.* xi. p. 163 (1874).

Mergui (Dec.); Thaing, King Island (Feb.).

TIRUMALA GAUTAMA.

*Danais gautama, Moore, Ann. & Mag. Nat. Hist.* 4th ser. xx. p. 43 (1877); *P. Z. S.* 1883, pl. 31. f. 3.

Mergui (Dec., March); Zediwon (Dec.).

## LIMNAS CHRYSIPPUS.

*Papilio Chrysippus*, *Linn. S. N.* (1758) p. 471.

Mergui (Dec., March).

## SALATURA GENUTIA.

*Papilio Genutia*, *Cramer, Pap. Exot.* iii. pl. 206. f. C, D (1779).

Mergui (Dec., Jan.); Pataw Island (Dec.); Thaing, King Island (Feb.). Very common.

## SALATURA HEGESIPPUS.

*Papilio Hegesippus*, *Cramer, Pap. Exot.* ii. pl. 180. f. A (1777).

Mergui (Dec.); Zediwon (Dec.); Minthantoung (Dec.); Pataw (Dec.).

## BAHORA CROCEA.

*Danais crocea*, *Butler, Proc. Zool. Soc.* 1866, p. 57, pl. 4. f. 5.

Mergui (Dec.); Elphinstone Island (March).

## PARANTICA MELANOIDES.

*Parantica melanoides*, *Moore, Proc. Zool. Soc.* 1883, p. 247.

Mergui (Dec.); Pataw Island (Dec.).

## PARANTICA AGLEOIDES.

*Danais Agleoides*, *Felder, Wien. ent. Monats.* iv. p. 398 (1860).

Mergui (Dec., Jan., March); Zediwon (Dec.); Pataw Island (Dec.); Minthantoung (Dec.). Very common.

## CADUGA MELANEUS.

*Papilio melaneus*, *Cramer, Pap. Exot.* i. pl. 40. f. D (1775).

Mergui (Dec.).

## MENAMA CUPREIPENNIS.

*Crastia cupreipennis*, *Moore, Proc. Zool. Soc.* 1871, p. 823.

Mergui (Dec., March); Pataw Island (Dec.); Sullivan Island (Jan.); Thapo, King Island (Jan.); Elphinstone Island (March).

## MENAMA TAVOYANA.

*Menama tavoyana*, *Moore, P. Z. S.* 1883, p. 265, pl. 30. f. 6, ♂.

Mergui (Nov., Dec.); Sullivan Island (Jan.).

## TRONGA BREMERI.

*Euplœa Bremeri*, *Felder, Wien. ent. Monats.* iv. p. 398 (1860).

Mergui (Dec., March); Minthantoung (Dec.); Pataw Island (Dec.); Yimiki, King Island (Feb.); Zediwon (Dec.); Pataw Island (Dec.); Sullivan Island (Jan.); Elphinstone Island (March). Very common.

## PENOA LIMBORGII.

*Euplœa limborgii*, *Moore, P. Z. S.* 1878, p. 823, pl. 41. f. 2.

Mergui (Dec.); Pataw Island (Dec.); Thapo, King Island (Jan.).

## PENOA ALCATHOË.

Danais Alcathoë, *Godart, Enc. Méth.* ix. p. 178 (1819).

Pataw Island (Dec.); Minthantoung (Dec.); Sullivan Island (Jan.); Elphinstone Island (March).

## PENOA MENETRIESII.

Euplœa Menetriesii, *Felder, Wien. ent. Monats.* iv. p. 398 (1860).

Mergui (Dec.).

## CRASTIA GODARTII.

Euplœa Godartii, *Lucas, Rev. Zool.* 1853, p. 319.

Mergui (Nov., Dec., March); Pataw Island (Dec.); Zediwon (Dec.); Elphinstone Island (March). Very common.

## TREPSICHROIS LINNÆI.

Trepsichrois Linnæi, *Moore, P. Z. S.* 1883, p. 286, pl. 29. f. 4, pl. 30. f. 1.

Mergui (Nov., Dec.); Pataw Island (Dec.); Sullivan Island (Jan.); Zediwon (Jan.); Minthantoung (Dec.); Thaing, King Island (Feb.); Owen Island (Feb.); Elphinstone Island (March). Very common.

## EUPLŒA PHŒBUS.

Euplœa Phœbus, *Butler, P. Z. S.* 1866, p. 270.

Sullivan Island (Jan.); Elphinstone Island (March).

## DANISEPA DIOCLETIANUS.

Papilio Diocletianus, *Fabr. Ent. Syst.* iii. p. 40.

Mergui (March); Elphinstone Island (March).

## PADEMMA ERICHSONII.

Euplœa Erichsonii, *Felder, Nov. Reise, Lep.* ii. p. 324 (1867).

Mergui (Dec.); Elphinstone Island (Dec.); Thaing, King Island (Feb.).

## ISAMIA MARGARITA.

Euplœa margarita, *Butler, P. Z. S.* 1866, p. 279.

Mergui (Nov., Dec., March); Thapo, King Island (Jan.); Sullivan Island (Jan.); Minthantoung (Dec.).

## STICTOPLŒA HARRISII.

Euplœa Harrisii, *Felder, Nov. Reise, Lep.* ii. p. 238, ♂ (1867).

Mergui (Dec.); Elphinstone Island (Dec.); Sullivan Island (Jan.).

Males and a single female were collected by Dr. Anderson. The female of this species is erroneously figured by Felder in the *Novara Reise*, pl. 41. f. 7, as the female of *Euplœa Grotei*.

## Subfamily SATYRINÆ.

## LETHE EUROPA.

Papilio Europa, *Fabr. Syst. Ent.* p. 500 (1775).

Mergui (March).

## MELANITIS ISMENE.

Papilio Ismene, *Cramer, Pap. Exot.* i. pl. 26. f. A, B.

Mergui (March 21st, April 24th); Owen Island (Jan.); Thaïng, King Island (Jan.); Elphinstone Island (March).

MELANITIS DETERMINATA, *Butler, Trans. Ent. Soc.* 1885, p. vi.  
Melanitis Leda (of modern authors).

Mergui (December 8th, April 23rd).

From the fact that the two above-mentioned species of *Melanitis* are both found flying at the same time of year, they cannot possibly be "seasonal forms" of one another, as has been recently stated (*Proc. Ent. Soc. London*, 1885, p. ii) by Mr. L. de Nicéville.

## CALYSISME PERSEUS.

Papilio Perseus, *Fabr. Syst. Ent.* p. 488 (1775).

Mergui (Dec.).

CALYSISME INDISTANS, *Moore, Trans. Ent. Soc.* 1880, p. 164.

Mergui (Dec., March); Pataw Island (Dec.); Thaïng, King Island (Jan., Feb.); Elphinstone Island (March).

## CALYSISME MAMERTA (var.).

Papilio mamerta, *Cram. Pap. Exot.* iv. pl. 326. f. D.

Elphinstone Island (March). A single specimen.

## ORSOTRIENA MEDUS.

Papilio Medus, *Fabr. Syst. Ent.* p. 488 (1775).

Mergui (Dec., March); Elphinstone Island (March).

YPTHIMA HUBNERI, *Kirby, Catal. D. Lep.* p. 95.

Ypthima Philomela, *Hübner, Zutr. exot. Sch.* f. 83, 84.

Mergui (Dec., March); Minthantoung (Dec.). Very common.

## YPTHIMA BALDUS.

Papilio Baldus, *Fabr. Mant. Ins.* ii. p. 34 (1787).

Mergui (Dec., March); Pataw Island (Dec.); Zediwon (Dec.); Thaïng, King Island (Feb.). Very common.

YPTHIMA MARSHALLII, *Butler, Ann. & Mag. Nat. Hist.* 5th ser. x. p. 373, 1882.

Mergui (Dec.); Thaïng, King Island (Jan. and Feb.); Thapo, King Island (Jan.) Numerous.

## ELYMNIAS TINCTORIA.

Elymnias tinctoria, *Moore, P. Z. S.* 1878, p. 826, ♂.

Mergui (Dec.); Thaïng, King Island (Jan.).

The female of this species has the basal median area of the fore wing tawny, and a curved submarginal purpurescent-white macular band; the hind wing has the basal median area whitish, mottled with ferruginous brown, and a submarginal row of four white spots.

*ELYMNIAS OBNUBILA.* (Plate III. fig. 2.)

*Elymnias obnubila*, *Marshall, Butt. of India*, i. p. 272.

Thaing, King Island (Jan.). A single specimen.

*DYCTIS ANDERSONII.* (Plate III. fig. 5.)

*Male.* Upperside violet-brown; fore wing with a marginal curved series of grey spots, the three upper of which are of a lengthened oval form, and the three lower pyriform, with the point acute; hind wing with a broad marginal scalloped-bordered lilacine-grey band. Underside of a pale vinous brown, the apical area of fore wing and the exterior marginal area of hind wing whitish; crossed by numerous darker brown, more or less confluent strigæ, which are broadest from the disk to the base.

Expanse  $2\frac{1}{8}$  inches.

*Hab.* Minthantoung (Dec.).

Nearest to *D. Esaca*, from Borneo. Differs from the same sex of that species in its smaller size. On the fore wing above the lower marginal grey spots have a decidedly acute inner point. On the hind wing the marginal grey spots are of three times the width, and form a broad marginal band. Underside differs in being of a uniformly paler colour, especially at the apex of fore wing and along the exterior border of hind wing; the brown strigæ also showing up more prominently.

Subfamily MORPHINÆ.

*AMATHUSIA PHIDIPPUS.*

*Papilio Phidippus*, *Linn. Syst. Nat.* i. 2, p. 725 (1767).

Thaing, King Island (Jan.). A single specimen of the female.

*DISCOPHORA CELINDE.*

*Papilio Celinde*, *Stoll, Cram. Pap. Exot.* v. pl. 37. f. 1, 1a (1790).

Elphinstone Island (Feb.). A single male specimen.

Subfamily NYMPHALINÆ.

*CETHOSIA BIBLIS.*

*Papilio Biblis*, *Drury, Ill. Exot. Ent.* iii. pl. 4. f. 2 (1773).

Mergui (Dec.). A single specimen.

*CIRROCHROA ROTUNDATA*, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool.* i. p. 543 (1879).

Minthantoung (Dec.); Sullivan Island (Jan.); Thaing, King Island (Feb.); Elphinstone Island (March).

*CIRROCHROA SURYA*, *Moore, P. Z. S.* 1878, p. 827.

Kisseraing Island (Dec.); Yimiki, King Island (Feb.).

*PADUCA*, gen. nov.

Wings narrower than in *Cirrochroa*.

*Male*. Fore wing more triangular in form; fourth subcostal branch emitted at a further distance from the third; discocellular descending obliquely inward; the two upper medians at a short distance beyond end of the cell; venation of hind wing similar, the lower submedian straighter. Antennæ with a much stouter and shorter terminal club; palpi narrower.

Type *P. fasciata*.

*PADUCA FASCIATA*.

*Atella fasciata*, *Felder, Wien. ent. Monats.* iv. p. 236; *Nov. Reise, Lep.* iii. pl. 49. f. 9, 10 (1867).

Sullivan Island (Jan.); Elphinstone Island (March).

*MESSARAS ERYMANTHIS*.

*Papilio Erymanthis*, *Drury, Ill. Exot. Ent.* i. pl. 15. f. 3, 4 (1773).

Pataw Island (Dec.); Thapo, King Island (Jan.); Thaing, King Island (Feb.); Yimiki, King Island (Feb.); Mergui (March). Common.

*ATELLA ALCIPPE*.

*Papilio Alcippe*, *Cram. Pap. Exot.* iv. pl. 382. f. G, H (1782).

Thaing, King Island (Feb.).

*ATELLA SINHA*.

*Terinos Sinha*, *Kollar, Hügel's Kaschm.* iv. 2, p. 438 (1844).

Mergui (Dec.). A single specimen.

*JUNONIA ASTERIE*.

*Papilio Asterie*, *Linn. S. N.* i. 2, p. 769 (1767).

Minthantoung (Dec. 20); Mergui (Dec.).

*JUNONIA ALMANA*.

*Papilio Almanana*, *Linn. S. N.* i. 2, p. 769 (1767).

Minthantoung (Dec. 20).

These two species (*J. Asterie* and *J. Almanana*) being found flying at the same time must disprove Mr. de Nicéville's supposition that they are seasonal forms of one another.

## JUNONIA LAOMEDIA.

Papilio Laomedea, *Linn. S. N. i. 2*, p. 772 (1767).

Mergui (Nov., Dec., March); Zediwon (Dec.); Minthantoung (Dec.); Thaing, King Island (Jan. and Feb.); Yimiki, King Island (Feb.). Very common.

## JUNONIA LEMONIAS.

Papilio Lemonias, *Linn. S. N. i. 2*, p. 770 (1767).

Mergui (Dec., Jan., March); Taing (Jan.); Taingthoung (Jan.); Thapo, King Island (Jan.); Elphinstone Island (March). Very common.

## JUNONIA CENONE.

Papilio Cenone, *Linn. S. N. i. 2*, p. 770.

Mergui (Dec.); Thaing, King Island (Jan. and Feb.); Yimiki, King Island (Feb.). Very common.

## PRECIS IPHITA.

Papilio Iphita, *Cram. Pap. Exot. iii. pl. 209. f. C, D* (1792).

Mergui (Nov., Dec., March); Thaing and Thapo, King Island (Jan.). Very common.

## RHINOPALPA POLYNICE.

Papilio Polynice, *Cram. Pap. Exot. iii. pl. 195. f. D, E*.

Mergui (Dec.); Minthantoung (Dec.).

## ERGOLIS ARIADNE.

Papilio Ariadne, *Linn. S. N. i. 2*, p. 778 (1767).

Thapo, King Island (Jan.).

## ERGOLIS MERIONE.

Papilio Merione, *Cram. Pap. Exot. ii. pl. 144. f. G, H* (1779).

Elphinstone Island (March).

CYRESTIS THEMIRE, *Honrath, Berlin. ent. Zeits. 1884*, p. 398, pl. 10. f. 5.

Yimiki, King Island (Feb.); Elphinstone Island (March).

## APATURA BOLINA.

Papilio Bolina, *Linn. S. N. i. 2*, p. 781 (1767).

Mergui (Dec.).

PARTHENOS APICALIS, *Moore, P. Z. S. 1878*, p. 829.

Minthantoung (Dec.); Sullivan Island (Jan.).

LEBADEA ATTENUATA, *Moore, P. Z. S. 1878*, p. 829.

Mergui (Dec., March); Zediwon (Dec.); Pataw Island (Dec., Jan.); Thaing, King Island (Feb.). Common.

## MODUZA PROCRIS.

Papilio Procris, *Cram. Pap. Exot.* ii. pl. 106. f. E, F (1779).

Minthantoung (Dec.).

NEPTIS JUMBAH, *Moore, Catal. Lep. Mus. E.I. C.* i. p. 167, pl. 4a. f. 5 (1857).

Minthantoung (Dec.); Elphinstone Island (March).

NEPTIS NATA, *Moore, Catal. Lep. Mus. E.I. C.* i. p. 168, pl. 4a. f. 6 (1857).

Mergui (Dec.); Minthantoung (Dec.).

NEPTIS ADARA, *Moore, P. Z. S.* 1878, p. 830.

Mergui (Dec.); Thaing, King Island (Feb.).

NEPTIS LEUCONATA, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool.* i. p. 541, pl. 69. f. 3 (1879).

Elphinstone Island (March).

NEPTIS THAMALA. (Plate III. fig. 1, ♀.)

Upperside fuliginous black; fore wing with a pale dusky ferruginous entire discoidal streak, two transverse discal curved interrupted macular bands, a submarginal narrower band, followed by a slender marginal line; the submarginal band with a large conical spot protruded between the radial and upper median; two small incurved spots also above end of the cell: hind wing with a subbasal and discal slightly recurved dusky ferruginous band, between which is a slender paler band, and beyond is a similar submarginal band and a marginal line.

Expanse, ♂  $1\frac{7}{10}$ , ♀  $2\frac{1}{10}$  inches.

*Hab.* Mergui (Feb.); Elphinstone Island (March).

Nearest to *N. Hira*, Kiel, from the island of Nias. A specimen of this species from Borneo is also in the Hewitson collection.

NEPTIS GONONATA, *Butler, Tr. Linn. Soc.*, 2nd ser. *Zool.* i. p. 541, pl. 69. f. 2.

Thaing, King Island (Jan.).

NEPTIS VIKASI, *Horsf. Catal. Lep. Mus. E.I. C.* pl. 5. f. 2 (1829).  
Sullivan Island (Jan.).

NEPTIS PARAKA, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool.* i. p. 542, pl. 68. f. 2 (1879).

Mergui (Dec., March).

NEPTIS DORELIA, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool.* i. p. 542, pl. 68. f. 3 (1879).

Mergui (Nov., Dec.); Sullivan Island (Jan.); Elphinstone Island (Feb.).



## RAHINDA PLAGIOSA.

*Neptis plagiola*, *Moore, P. Z. S.* 1878, p. 830.

Minthantoung (Dec.).

ATHYMA IDITA, *Moore, P. Z. S.* 1858, p. 16, pl. 51. f. 3.

Minthantoung (Dec.).

ATHYMA PERIUS, *Aurivillius, Kong. V. Ak. Handl.* (1882), p. 68.

*Papilio Perius*, *Linn. S. N.* ed. x. p. 471 (1758); *Mus. Utr.* p. 261 (1764); *S. N. i.* 2, p. 766 (1767).

*Papilio Leucothoë*, *Linn. S. N.* ed. x. p. 478 (1758).

*Athyma Leucothoë (auctororum)*.

Mergui (Dec., Jan., March); Minthantoung (Dec.); Thaïng (Jan.); Thapo, King Island (Jan.). Common.

ATHYMA NIVIFERA, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool. i.* p. 540, pl. 69. f. 4 (1879).

Mergui (Dec.); Kisseraïng Island (Dec.). Two males only.

ATHYMA KRESNA, *Moore, P. Z. S.* 1858, p. 12, pl. 50. f. 4, ♂.

Minthantoung (Dec.). Two males only.

ATHYMA SUBRATA, *Moore, P. Z. S.* 1858, p. 13, pl. 51. f. 1, ♀.

Mergui (Dec., March). Female only.

This may probably be a dimorphic form of female of *A. Kresna*, the ordinary female of which has reddish markings.

ATHYMA CLERICA, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool. i.* p. 540, pl. 69. f. 5 (1879).

One specimen of male, without locality.

## EUTHALIA DUNYA.

*Adolias Dunya*, *Doubleday & Hewits. D. Lep.* pl. 44. f. 3 (1850).

Kisseraïng Island (Dec.); Elphinstone Island (March).

## EUTHALIA GARUDA.

*Adolias Garuda*, *Moore, Catal. Lep. Mus. E.I. C. i.* p. 186 (1857); *Tr. Ent. Soc.* 1859, p. 64, pl. 3. f. 2.

Mergui (Dec.).

## EUTHALIA ANOSIA.

*Adolias Anosia*, *Moore, Catal. Lep. Mus. E.I. C. i.* p. 187 (1857); *Tr. Ent. Soc.* 1859, p. 65, pl. 5. f. 1.

Mergui (Dec., March).

## EUTHALIA JAHNU.

*Adolias Jahnu*, *Moore, Catal. Lep. Mus. E.I. C. i.* p. 192 (1857); *Tr. Ent. Soc.* 1859, p. 74, pl. 7. f. 1, ♀.

*Adolias Sananda*, *Moore, Tr. Ent. Soc.* 1859, p. 76, pl. 7. f. 3, ♂.

Kisseraïng Island (Jan.). A single specimen of the female only.

**EUTHALIA DISCISPILOTA.**

*Adolias discispilota*, *Moore, P. Z. S.* 1878, p. 831, ♀.

Mergui (Dec.). One female only.

**EUTHALIA SATROPACES.**

*Adolias Satropaces*, *Hewitson, Ent. M. Mag.* 1876, p. 150; *Desc. Lep. Rhop. Coll. Atkinson, As. Soc. Beng.* p. 1, pl. 1. f. 6, 7, 8 (1879).

Mergui (Dec., March); Minthantoung (Dec.). One female only of this very rare species.

**EUTHALIA ANDERSONII.** (Plate III. figs. 3 & 4, ♂ ♀.)

*Euthalia Andersonii*, *Moore, Journ. Asiat. Soc. Beng.* 1884, p. 18.

Mergui (Dec., Jan., March); Zediwon (Dec.); Minthantoung (Dec.); Pataw Island (Dec.).

**EUTHALIA XIPHIONES.**

*Adolias Xiphiones*, *Butler, P. Z. S.* 1868, p. 609, pl. 45. f. 6, ♂.

Mergui (March); Sullivan Island (Jan.). Two specimens of the male of this rare species.

**SYMPHÆDRA PARDALIS**, *Moore, P. Z. S.* 1878, p. 698.

Mergui (Dec., March).

**HARIDRA BORNEENSIS.**

*Charaxes Borneensis*, *Butler, Lep. Exot.* i. p. 16, pl. 6. f. 2 (1869).

Elphinstone Island (March). A single female specimen only collected.

## Family LEMONIIDÆ.

## Subfamily NEMEOBIINÆ.

**ZEMEROS FLEGYAS.**

*Papilio Flegyas*, *Cram. Pap. Exot.* iii. pl. 280. f. E, F.

Mergui (Nov., Dec., March); Pataw Island (Jan.); Minthantoung (Jan.); Thaïng, King Island (Jan. and Feb.); Elphinstone Island (March).

*ABISARA KAUSAMBI*, *Felder, Wien. ent. Monats.* iv. p. 397 (1860).

Pataw Island (Dec.); Sullivan Island (Jan.); Yimiki, King Island (Feb.); Thapo, King Island (Jan.); Elphinstone Island (March).

**TAXILA THUISTO**, *Hewitson, Exot. Butt.* ii. Tax. pl. 1. f. 5, ♀.

Mergui (March); Kisseraing Island (Jan.).

## Family LYCÆNIDÆ.

**PORITIA PHRAATICA.**

*Poritia Phraatica*, *Hewitson, Illust. D. Lep.* p. 214, pl. 88. f. 2, ♀.

Three males and one female collected by Dr. Anderson. The

female is identical with Mr. Hewitson's type, figured as above. One of the males has a broad lower basal cobalt-blue patch with an outer lobe protruding towards the posterior angle, and a partly confluent curved series of subapical spots; and the lower half of the hind wing has a similar coloured patch with a marginal row of blackish oval spots. In the other male the blue is of a decidedly ultramarine tint, and the patch on the fore wing has a central black streak. The markings on the underside of the males are exactly like those on the female.

Expansion, ♂  $1\frac{1}{8}$ , ♀  $1\frac{2}{8}$  inch.

*Hab.* Mergui (Dec.); Minthantoung (Dec.); Thaïng, King Island (Feb.).

CURETIS MALAYICA.

*Anops malayica*, *Felder, Nov. Reise, Lep.* ii. p. 221, pl. 28. f. 18 (1867).  
Yimiki, King Island (Feb.). One male.

CURETIS FELDERI, *Distant, Rhop. Malayana*, p. 203 (1884).  
Mergui (March). One male.

CURETIS STIGMATA, *Moore, P. Z. S.* 1879, p. 138.  
Yimiki, King Island (Feb.). One male.

LOGANIA SUBSTRIGOSA. (Plate III. fig. 8.)  
*Logania substrigosa*, *Moore, Journ. Asiat. Soc. Bengal*, 1884, p. 22.  
Kisseraing Island (Jan.).

LOGANIA MARMORATA. (Plate III. fig. 7.)  
*Logania marmorata*, *Moore, Journ. Asiat. Soc. Bengal*, 1884, p. 22.  
Elphinstone Island (March).

LOGANIA ANDERSONII. (Plate III. fig. 6, ♀.)  
*Logania andersonii*, *Moore, Journ. Asiat. Soc. Bengal*, 1884, p. 22.  
Kisseraing Island (Jan.).

SPALGIS EPIUS.  
*Lucia Epius*, *Westwood, Gen. D. Lep.* i. p. 502, pl. 76. f. 5 (1852).  
Pataw Island (Dec.).

NEOPITHECOPS ZALMORA?  
Sullivan Island (Jan.). A single specimen, too much rubbed for determination.

ZIZERA SANGRA.  
*Polyommatus Sangra*, *Moore, P. Z. S.* 1865, p. 772, pl. 41. f. 8.  
Mergui (Dec.); Zediwon (Dec.).

ZIZERA PYGMÆA.  
*Lycæna pygmæa*, *Snellen, Tijd. voor Ent.* 1876, p. 163, pl. 7. f. 3.  
Thapo, King Island (Jan.); Mergui (March); Elphinstone Island (March).

## CASTALIUS ROSIMON.

*Papilio Rosimon*, *Fabr. Syst. Ent.* p. 523 (1775).

Thapo, Thaing, and Yimiki, King Island (Jan. and Feb.); Mergui (March, Dec.); Elphinstone Island (March); Zediwon (Dec.).

## CASTALIUS ETHION.

*Lycæna Ethion*, *Doubleday & Hewitson, D. Lep.* p. 490, pl. 76. f. 3 (1852).

Mergui (March); Elphinstone Island (March).

## NACADUBA MACROPHTHALMA.

*Lycæna macrophthalma*, *Felder, Verh. zool.-bot. Ges. Wien*, 1862, p. 483; *Nov. Reise, Lep.* ii. p. 275, pl. 34. f. 35.

Sullivan Island (Jan.); Thaing and Yimiki, King Island (Feb.); Pataw Island (Jan.); Mergui (March); Elphinstone Island (March).

## NACADUBA PLUMBEOMICANS.

*Lampides plumbeomicans*, *Wood-Mason, Journ. Asiat. Soc. Beng.* 1880, p. 231.

Owen Island (Dec.); Kisseraing Island (Jan.); Mergui (March); Elphinstone Island (March).

## NACADUBA VIOLA.

*Lampides viola*, *Moore, Ann. & Mag. Nat. Hist.* 1877, xx. p. 340.

*Lycænesthes merguiana*, *Moore, J. A. S. Beng.* 1884, p. 23.

Mergui (March); Elphinstone Island (March).

## NACADUBA ARDATES.

*Lycæna Ardates*, *Moore, P. Z. S.* 1874, p. 574, pl. 67. f. 1.

Taingthoung (Jan.); Thaing and Yimiki, King Island (Feb.); Mergui (March); Elphinstone Island (March).

## JAMIDES BOCHUS.

*Papilio Bochus*, *Cramer, Pap. Exot.* iv. pl. 391. f. C, D (1782).

Elphinstone Island (March).

## CATOCHRYSOPS STRABO.

*Hesperia Strabo*, *Fabr. Ent. Syst.* iii. p. 287 (1793).

Mergui (Dec.); Zediwon (Dec.); Yimiki, King Island (Feb.); Elphinstone Island (March).

## CATOCHRYSOPS CNEJUS.

*Hesperia Cnejus*, *Fabr. Ent. Syst. Suppl.* p. 430 (1798).

Mergui (Jan.).

## CATOCHRYSOPS PANDAVA.

*Lycæna Pandava*, *Horsfield, Catal. Lep. Mus. E.I. C.* p. 84 (1829).

Sullivan Island (Jan.).

## LAMPIDES ÆLIANUS.

Hesperia Ælianus, *Fabr. Ent. Syst.* iii. 1, p. 280 (1793).

Mergui (Dec.); Minthantoung (Dec.).

LAMPIDES PURA, n. sp.

Allied to *L. Ælianus*, *celerio*, and *agnata*.

*Male.* Upperside of the same pale-bluish tint as in the above-named species. Fore wing entirely without any trace of a black border to the exterior margin, whereas in each of the above species there is a decided black marginal band decreasing in width from the apex. Underside of a similar colour as in above species, but of a darker tint than in *L. Ælianus*; markings also similar, but more strongly defined; the subanal spot with a much broader red inner border. Several specimens, all without marginal border to the fore wing. *Female.* Upperside with the marginal black band on fore wing narrower than in *L. Ælianus*, the inner edge of the band curved like that in *L. Alexis*; hind wing with a narrower series of marginal lunular spots.

Expanse  $1\frac{1}{8}$  to  $1\frac{3}{8}$  inch.

*Hab.* Zediwon (Dec.); Pataw Island (Dec.); Sullivan Island (Jan.); Thapo and Yimiki, King Island (Jan. and Feb.); Kisseraing Island (Jan.); Elphinstone Island (March).

LAMPIDES SUBDITA, n. sp.

*Male.* Upperside entirely pale glossy purpurescent lavender-blue as in *L. pseudelpis*, and without any marginal border. Underside darker brown, the white lines all conspicuously narrower. The discal lines on the fore wing almost straight, continuous, the middle line entire from end to end, whereas in *L. pseudelpis* they are disposed irregularly, and the upper portions are in a curved series; the area between the two marginal lunular lines is also blacker: hind wing with the basal and discal lines also more linearly disposed, beyond which are five very prominent black dentate submarginal spots bordered by the white lunules; the marginal spots also are black; the subanal black spot is only half the size, and its red bordering area much larger and of an oval shape. *Female.* Upperside paler greyish blue; fore wing with a broad brown exterior band: hind wing with brown anterior border, and a prominent row of black-centred white spots bordered with brown. Underside as in male.

Expanse, ♂ ♀ 1 to  $1\frac{3}{16}$  inch.

*Hab.* Mergui (Dec., March). Numerous specimens, all alike both on the upper and underside.

LYCENESTHES BENGALENSIS, *Moore, P. Z. S.* 1865, p. 773.

Mergui (Dec.); Thapo and Yimiki, King Island (Jan. and Feb.).

BIDUANDA LAPITHIS.

Myrina Lapithis, *Moore, Catal. Lep. Mus. E.I. C.* i. p. 43 (1857); *Hewitson, Ill. D. Lep.* p. 36, pl. 15. f. 35-38.

Yimiki, King Island (Feb.). The female only of this rare species was taken by Dr. Anderson.

BIDUANDA BOISDUVALII.

Drupadia Boisduvalii, *Moore, Journ. As. Soc. Beng.* 1884, p. 31.

Myrina Lisias, *Boisd. Spec. Gén. Léop., Pap.* pl. 22. f. 2 ♂ (*nec Fabricius\**).

Mergui (Nov.); Sullivan Island (Jan.); Thaing, King Island (Feb.).

BIDUANDA FABRICII. (Plate IV. figs. 2 & 3, ♂ ♀.)

Drupadia Fabricii, *Moore, P. Z. S.* 1884, p. 17, ♀.

*Male.* Upperside similar to the same sex of *B. Thesmia*, except that on the fore wing there is a less amount of cuprescent red in the disk. Underside: fore wing paler, the markings within the cell, the discal and marginal bands uniformly paler: hind wing with the basal and discal spots brown, and much less defined; the discal zigzag lines also brown and less defined. *Female.* Fore wing with a broad, irregular-shaped, oblique median red band, whereas in *B. Thesmia* the band is nearly obsolete.

Expanse  $1\frac{2}{8}$  to  $1\frac{3}{8}$  inch.

*Hab.* Mergui (Dec.); Kisseraing Island (Jan.); Sullivan Island (Jan.); Pataw Island (Jan.); Elphinstone Island (March).

THAMALA MINIATA. (Plate IV. fig. 1, ♀.)

*T. miniata*, *Moore, P. Z. S.* 1878, p. 834, pl. 52. fig. 6, ♂.

*Female.* Upperside: fore wing dark rufescent-brown, with a large broad bright red central patch, which nearly encompasses the black spot at the base of the median branches: hind wing with the anterior half brown, the costal border being edged with red; lower half, including its bordering cilia and the tails, grey.

Expanse  $1\frac{3}{8}$  inch.

*Hab.* Mergui (Dec.); Minthantoung (Dec.). Very rare.

SPINDASIS LOHITA.

Amblypodia Lohita, *Horsfield, Catal. Lep. Mus. E.I. C.* p. 107 (1829).

Pataw Island (Dec.); Thaing, King Island (Feb.).

\* *Biduanda Lisias*, Fabricius, is an allied species, described in the *Mant. Ins.* as coming from "Puli Condor" (*i. e.* Pulo Kondol, one of the Nicobar Islands).

## SPINDASIS ZOILUS.

Aphnæus Zoilus, *Moore, P. Z. S.* 1877, p. 589.

Sullivan Island (Jan.).

## NADISEPA XENOPHON.

Hesperia Xenophon, *Fabr. Ent. Syst.* iii. 1, p. 272 (1793).

Mergui (Dec.); Elphinstone Island (March).

## NADISEPA JARBAS.

Papilio Jarbas, *Fabr. Mant. Ins.* ii. p. 68 (1787).

Mergui (Dec.).

## VADEBRA PHERETIMA.

Deudorix Pheretima, *Hewitson, Ill. D. Lep.* p. 21, pl. 9. f. 27 (1863).

Mergui (March); Pataw Island (Jan.). A single female only collected.

## RAPALA ORSEIS.

Deudorix Orseis, *Hewitson, Ill. D. Lep.* p. 23 (1863).

Minthantoung (Dec.).

## IRAOTA ROCHANA.

Amblypodia Rochana, *Horsfield, Catal. Lep. Mus. E.I. C.* p. 108 (1829).

Elphinstone Island (March). A single female only collected.

## HYPOLYCÆNA ERYLUS.

Polyommatus Erylus, *Godt. Enc. Méth.* ix. p. 633 (1823).

Mergui (Dec.). One female only collected.

## CHLIARIA LISIDES.

Myrina Lisides, *Hewitson, Ill. D. Lep.* p. 33, pl. 14. f. 28, 29, ♂.

*Female.* Upperside: fore wing with a similar but broader reddish patch on the fore wing, the patch being confined more to the middle; hind wing brown, anal area broadly white-speckled, and with three prominent black anal marginal spots. Underside similarly marked to the upperside, excepting that there is no subbasal black spot.

Expanse, ♂ 1, ♀ 1 to  $1\frac{1}{8}$  inch.

Mergui (Dec. and March); Sullivan Island (Jan.).

## CHERITRA ETOLUS.

Papilio Etolus, *Fabr. Mant. Ins.* ii. p. 66 (1787).

Elphinstone Island (March).

## CHERITRA FREJA.

Hesperia Freja, *Fabr. Ent. Syst.* iii. 1, p. 263 (1793).

Kisseraing Island (Jan.); Thaing and Yimiki, King Island (Feb. and March); Elphinstone Island (March).

## NEOMYRINA HIEMALIS.

*Myrina hiemalis*, *Godman & Salvin*, *P. Z. S.* 1878, p. 640, pl. 40. f. 5, 6  
Sullivan Island (Jan.); Mergui (March).

## TAJURIA MANTRA.

*Pseudolycaena Mantra*, *Felder, Wien. ent. Monats.* iv. p. 396 (1860).  
Owen Island (Jan.); Mergui (March).

## MYRINA ATYMNUS.

*Papilio Atymnus*, *Cram. Pap. Exot.* iv. pl. 331. f. D, E (1782).  
Pataw Island (Dec.); Zediwon (Dec.).

## AMBLYPODIA ANDERSONII. (Plate IV. fig. 4, ♂.)

*Amblypodia Andersonii*, *Moore, Journ. Asiat. Soc. Beng., Zool.* 1884,  
p. 43, ♂.  
Sullivan Island (Jan.).

## DARASANA PERIMUTA.

*Amblypodia Perimuta*, *Moore, Catal. Lep. Mus. E.I. C.* i. p. 42 (1857).  
Sullivan Island (Jan.); Thaing, King Island (Feb.).

## NARATHURA METAMUTA.

*Amblypodia Metamuta*, *Hewitson, Ill. D. Lep.* p. 13, pl. 2. f. 14, 15  
(1863).  
Kisseraing Island (Dec.).

## NARATHURA AGELASTUS.

*Amblypodia Agelastus*, *Hewitson, Catal. Lyc. B. M.* p. 12, pl. 6. f. 61,  
62 (1862).  
Yimiki, King Island (Feb.).

## NARATHURA ALBOPUNCTATA.

*Amblypodia albopunctata*, *Hewitson, Ill. D. Lep.* p. 14, pl. 3 b. f. 43,  
44 (1869).  
Mergui (Nov. and Dec.); Pataw Island (Jan.); Sullivan Island  
(Jan.).

## SATADRA ABSEUS.

*Amblypodia Abseus*, *Hewitson, Catal. Lyc. B. M.* p. 9, pl. 5. f. 51, 52  
(1862).  
Yimiki, King Island (Feb.).

## SATADRA AGABA.

*Amblypodia Agaba*, *Hewitson, Catal. Lyc. B. M.* p. 8, pl. 4. f. 39, 40  
(1862).  
Yimiki, King Island (Feb.); Mergui (March).

## NILASERA CENTAURUS.

*Papilio centaurus*, *Fabr. Syst. Ent.* p. 520 (1775).  
Mergui (Nov. and Dec.); Thaing, King Island (Feb.); Pataw  
Island (Jan.).



## Family PAPILIONIDÆ.

## Subfamily PIERINÆ.

## NYCHITONA XIPHIA.

Papilio Xiphia, *Fabr. Spec. Ins.* ii. p. 43 (1781).

Mergui (Nov.); Elphinstone Island (March).

TERIAS RUBELLA, *Wallace, Tr. Ent. Soc.* 1867, p. 323.

Zediwon (Dec.); Mergui (March).

TERIAS RAMA, *Moore, P. Z. S.* 1872, p. 566.

Mergui (Dec. and March); Pataw Island (Dec.).

## TERIAS FORMOSA.

Eurema formosa, *Hübner, Zutr. exot. Schmett. f.* 979-980 (1837).

Sullivan Island (Jan.); Thapo, King Island (Jan.); Kisseraing Island (Jan.); Yimiki, King Island (Feb.).

## TERIAS SODALIS, n. sp.

From typical Javan and Sumatran *T. Sari* this differs in its much smaller size. *Male*: fore wing with similar shaped but comparatively narrower marginal band; hind wing also with the marginal band narrower. *Female*: both wings with the marginal band also narrower, that on the fore wing having the lower end of the sinus convex, not sharply angular as in *T. Sari*. Under-side: fore wing of both sexes with a large quadrate reddish-brown apical patch, which is dentate on its lower side; a small dusky patch at posterior angle; both wings also with the usual brown speckled lunular marks.

Expanse, ♂ ♀  $1\frac{4}{10}$  to  $1\frac{5}{10}$  inch.

*Hab.* Thaing, King Island (Feb.); Pataw Island (Dec.).

## TERIAS SILHETANA.

Terias silhetana, *Wallace, Trans. Ent. Soc.* 1867, p. 324.

*Hab.* Mergui (Dec.); Sullivan Island (Jan.); Thaing, Island (Jan.); Elphinstone Island (March).

## TERIAS HECABEOIDES.

Terias Hecabeoides, *Ménét. Catal. Mus. Petr. Lép.* i. p. 85, t. 2. f. 2 (1855), ♂.

*Hab.* Mergui (Dec. and March); Pataw Island (Dec.); Zediwon (Dec.); Elphinstone Island (March).

Distinguished by its bright gamboge-yellow colour; the band on fore wing broad, its sinus dentate; the band on hind wing also broad. Underside with all the markings delicately defined, the discocellular marks narrow; and both sexes without any trace of the subapical patch on fore wing.

*TERIAS CONTUBERNALIS*, n. sp.

*Male.* Upperside of the same tint of colour as in *T. hecabeoides*; band of fore wing of same shape, and with the same outwardly-oblique inner edge of the lower portion; band on hind wing somewhat narrower. Underside with all the markings more prominently defined than in *T. hecabeoides*, especially the discocellular mark on both wings, which is broader and triangularly-dentate in shape; the fore wing also has a well-formed brown subapical patch (which is not present in either sex of *T. hecabeoides*), and the three subbasal ring-spots on the hind wing are larger. *Female.* Very similar above to *T. hecabeoides*. Underside with the markings and subapical patch on fore wing as in male.

Expanse, ♂ ♀  $1\frac{6}{10}$  to  $1\frac{7}{10}$  inch.

*Hab.* Mergui (Dec.); Zediwon (Dec.); Elphinstone Island (Dec.); Pataw Island (Dec.); Minthantoung (Dec.).

This may possibly be only a variety of *T. hecabeoides*. Both sexes differ as above described from the many specimens of that species collected by Dr. Anderson. No specimens, however, such as here described as *T. contubernalis*, have come under my observation from any other locality where *T. hecabeoides* occurs.

*TERIAS PATRUELIS*, n. sp. (Plate IV. fig. 5, ♂.)

*Male.* Somewhat smaller and of a paler yellow tint than *T. contubernalis*; the band on fore wing of similar shape but about half its width throughout, and its inner angles less acute; hind wing with a decidedly narrower band. Underside with similar but less defined markings; the discocellular mark narrower. *Female.* Also of smaller size; fore wing with similar shaped band as in male, being about half the width of that in *T. contubernalis*; the band on hind wing also narrower. Underside as in male.

Expanse, ♂ ♀  $1\frac{4}{10}$  to  $1\frac{6}{10}$  inch.

*Hab.* Mergui (Dec.); Elphinstone Island (March); Pataw Island (Jan.).

This is nearest to typical *T. nicobarica*, which, however, differs beneath in the male having the markings similar to those in *T. hecabeoides*, and without any trace of the subapical patch.

*TERIAS FRATERNA*, n. sp. (Plate IV. fig. 6, ♂.)

Intermediate between *T. patruelis* and *T. merguiana*. Wings in both sexes comparatively broader than in *T. merguiana*. *Male.* Differs from typical *T. merguiana* in the fore wing having the marginal band more sinuous and broader at its lower end, the

inner edge of this portion is also less outwardly oblique; the band on hind wing is of similar width. Underside with very prominent reddish markings, the discocellular marks broader and triangularly-dentate; the discal sinuations on the hind wing diffused, especially the upper portions; the fore wing also has a very prominent red, rather broad, subapical patch. *Female*. Differs also from this sex of *T. merguiana* in the shape of the lower portion of the band on the fore wing, the band on the hind wing being somewhat narrower and more definitely dentated. Underside with all the markings as in above-described male.

Expanse, ♂ ♀  $1\frac{7}{10}$  to  $1\frac{8}{10}$  inch.

*Hab.* Mergui (Dec.); Yimiki and Thaing, King Island (Feb.); Elphinstone Island (March).

*TERIAS MERGUIANA*, n. sp. (Plate IV. fig. 7, ♂.)

*Male*. Upperside bright yellow, of a slight sulphurescent tint; fore wing with the marginal band somewhat narrower than in *T. contubernalis*, the portion below the sinus being about half the width of the same part in that species, and its inner edge is inclined acutely outward; hind wing with a narrow marginal band. Underside with delicately defined markings, similar to those in *T. hecabeoides*. *Female*. Pale sulphur-yellow; band on fore wing broader than in male, the lower portion being also inclined acutely outward as in male; the band on hind wing paler and dentated. Underside with the discocellular marks somewhat broader than in male, and with a more or less defined subapical patch on the fore wing.

Expanse, ♂ ♀  $1\frac{5}{10}$  to  $1\frac{8}{10}$  inch.

*Hab.* Mergui (Nov. and Dec.); Zediwon (Dec.); Kisseraing Island (Dec.); Elphinstone Island (Jan. and March); Sullivan Island (Jan.).

*TERIAS ANDERSONII*, n. sp. (Plate IV. fig. 8, ♂.)

*Male*. Upperside bright deep sulphur-yellow; costal border from the edge to the costal vein entirely black; the marginal band broad, with the middle sinus inclined obliquely outward and upward, the upper edge of the band concave and angled at base of the third subcostal, the lower portion of band narrow, its upper angle very acute, its inner edge inclined obliquely outward; hind wing with a rather broad prominent black marginal band. Underside with the usual brown markings prominent, the discocellular marks cornucopoid in shape; the fore wing having a more or less defined subapical patch, and the speckled

sinuous mark within the cell situated somewhat nearer the base, the subbasal spot (present in other species) being absent; fringe brown. *Female*. Smaller; much paler sulphur-yellow; black costal band on fore wing narrower; marginal band as in the male; band on the hind wing broader. Underside as in male.

Expanse, ♂  $1\frac{5}{10}$ , ♀  $1\frac{2}{10}$  to  $1\frac{4}{10}$  inch.

*Hab.* Sullivan Island (Jan.); Elphinstone Island (March).

*TERIAS KANA*, n. sp. (Plate IV. fig. 9, ♂.)

*Male*. Nearest to *T. Andersonii*. Upperside paler sulphur-yellow; the marginal band with the base of the sinus inclined obliquely inward and upward, and dentate at the middle; the upper edge of the band concave but not dentate, the lower portion broader and its inner edge inclined inward; hind wing with a decidedly broader marginal band. Underside with ferruginous-brown marks; the discocellular mark on both wings very broad and triangularly-dentate; the subapical patch on fore wing broader; the sinuous mark and subbasal spot within the cell both present; fringe yellow. *Female*. Upperside of the same tint as the male; the band on fore wing the same shape; band on hind wing with dentated inner edge. Underside as in male.

Expanse, ♂ ♀  $1\frac{4}{10}$  to  $1\frac{6}{10}$  inch.

*Hab.* Mergui (Jan.); Thapo and Yimiki, King Island (Jan. and Feb.); Elphinstone Island (March).

This comes nearest to the Ceylonese *T. simulata*.

*Remarks on the above-named Terias.*—*T. Andersonii*, *Kana*, *contubernalis*, *patruelis*, *fraterna*, and *merguiana*, so far as I yet know, are quite localized in their habitat. No specimens of these forms are either in the British Museum collection or in my own, nor does Mr. Distant refer to either of them in his 'Rhopalocera Malayana.' The four last-named may possibly be ultimately proved to be varietal forms of *T. hecabeoides*; but as no such marked specimens as here described, so far as my examinations have extended, occur in any of the other districts where *T. hecabeoides* is found, and until they are so proved, by *breeding*, to be varietal only, I prefer treating them as distinct forms. *T. sodalis* is found also in the Malay peninsula; *T. silhetana* extends northward to Assam; and *T. hecabeoides* has a wide range northward, and southward to the Malay Peninsula.

*IXIAS CITRINA*, Moore, *P. Z. S.* 1878, p. 837, ♂.

Thaing, King Island (Feb.).

*IXIAS VERNA*, *Druce, P. Z. S.* 1874, p. 108, pl. 16. f. 5, 6.

Mergui (Nov., Dec.); Elphinstone Island (March); Thaing, King Island (Jan., Feb.). Tolerably common.

*HEBOMOIA GLAUCIPPE*.

*Papilio Glaucippe, Linn. S. N. i.* 2, p. 762 (1767).

Elphinstone Island (March).

*CATOPSILIA CATILLA*.

*Papilio Catilla, Cram. Pap. Exot.* iii. pl. 229. f. D, E (1782).

Mergui (Dec.); Thaing, King Island (Jan.); Elphinstone Island (March).

*CATOPSILIA CROCALE*.

*Papilio Crocale, Cram. Pap. Exot.* i. pl. 52. f. C, D (1779).

Thaing, King Island (Jan.).

*CATOPSILIA CHRYSSEIS*.

*Papilio Chryseis, Drury, Ill. Exot. Ent.* i. pl. 12. f. 3, 4 (1773).

Mergui (Dec., March).

*CATOPSILIA GNOMA*.

*Papilio Gnoma, Fabr. Syst. Ent. App.* p. 808 (1775).

Thaing, King Island (Feb.).

*HUPHINA LEA*.

*Pieris Lea, Doubleday, Ann. Nat. Hist.* 1st ser. vol. xvii. p. 23 (1846).

Sullivan Island (Jan.); Elphinstone Island (March).

*APPIAS ZELMIRA*.

*Papilio Zelmira, Cram. Pap. Exot.* iv. pl. 320. f. C, D (1782).

Elphinstone Island (March).

*APPIAS HIPPOIDES, Moore, Trans. Ent. Soc.* 1881, p. 312.

Mergui (Dec.).

*APPIAS VACANS, Butler, Tr. Ent. Soc.* 1870, p. 490; *Lep. Exot.* p. 90, pl. 34. f. 5, 6, ♀.

Mergui (Dec.); Thaing, King Island (Feb.).

*HIPOSCRITIA SHIVA, Swinhoe, Proc. Zool. Soc.* 1885, p. 138, pl. 9. figs. 1, 2.

Owen Island (Jan.).

A single specimen of the female of this species, which had hitherto been known only from Bombay.

*DELIAS METARETE, Butler, Tr. Linn. Soc.,* 2nd ser. *Zool.* i. p. 550 (1879).

Mergui (Jan., Dec.); Elphinstone Island (March); Thapo, King Island (Jan.).

## DELIAS DEIONE.

*Papilio Deione*, *Drury, Ill. Exot. Ent.* ii. pl. 8. f. 3, 4, ♂.

Mergui (Dec., Jan., March); Thapo (Jan.); Thaing, King Island (Jan. and Feb.); Pataw Island (Jan.); Elphinstone Island (March).

## PRIONERIS CLEMANTHE.

*Pieris Clemanthe*, *Doubleday, Ann. & Mag. Nat. Hist.* 1st ser. xvii. p. 23 (1846):

Mergui (March); Elphinstone Island (March).

## Subfamily PAPILIONINÆ.

## PATHYSA ANTIPHATES.

*Papilio Antiphates*, *Cram. Pap. Exot.* i. pl. 72. f. A, B (1779).

Mergui (Dec., March).

## DALCHINA SARPEDON.

*Papilio Sarpedon*, *Linn. S. N.* i. 2, p. 747 (1767).

Yimiki, King Island (March).

## ZETIDES AGAMEMNON.

*Papilio Agamemnon*, *Linn. S. N.* i. 2, p. 748 (1767).

Mergui (Dec.); Zediwon (Dec.); Sullivan Island (Jan.); Elphinstone Island (March).

## ARAMINTA, n. g.

*Papilio* (Demolion group), *Wallace, Tr. Linn. Soc.* xxv. p. 59 (1865).

*Papilio* (section 59, subsect. B), *Felder, Spec. Lep. Pap.* p. 30. 78 (1865).

Fore wing longer and more acutely triangular than in *Orpheides*; exterior margin very oblique, almost even; cell long, very broad: hind wing short, broad, triangular; cell more than half the length of the wing; furnished with a long spatular tail. Antennæ very long, with a lengthened slender club. Larva similar to that of *Orpheides* (*O. Erithoneus*), anterior segments scutellated; furnished with two short tentacular processes on the 2nd, 9th, and anal segments. Pupa with bifid head and lengthened acute thoracic process.

## ARAMINTA DEMOLION.

*Papilio Demolion*, *Cram. Pap. Exot.* i. pl. 89. f. A, B (1779).

Mergui (Dec.).

## ORPHEIDES MALAYANUS.

*Papilio malayanus*, *Wallace, Trans. Linn. Soc.* xxv. p. 59 (1865).

Mergui (Dec.).

## ILLADES ACHATES.

*Papilio Achates*, *Cram. Pap. Exot.* ii. pl. 182. f. A, B (1779).

Mergui (Dec., March); Thaing, King Island (Feb.); Elphinstone Island (March).

## CHARUS ISWARA.

*Papilio* Iswara, *White, Entom.* i. p. 280 (1842).

Mergui (Dec.); Kisseraing Island (Jan.).

## CHARUS HELENUS.

*Papilio* Helenus, *Linn. S. N.* i. 2, p. 745 (1767).

Owen Island (Jan.).

## LAERTIAS POLYTES.

*Papilio* Polytes, *Linn. S. N.* i. 2, p. 746, ♀ (1767).

*Papilio* Pammon, *Linn. S. N.* i. 2, p. 746, ♂.

Mergui (Dec., March); Elphinstone Island (March); Thapo and Thaing, King Island (Jan. and Feb.); Sullivan Island (Jan.).

## MENELAIDES DIPHILUS.

*Papilio* Diphilus, *Esper, Aussl. Schmett.* t. 40 B. fig. 1.

Mergui (March).

## MENELAIDES DOUBLEDAYI.

*Papilio* Doubledayi, *Wallace, Tr. Linn. Soc.* xxv. p. 42 (1865).

Mergui (Dec.); Sullivan Island (Jan.); Thaing, King Island (Jan. and Feb.); Elphinstone Island (March).

## PANGERANA, n. g.

*Papilio* (Nox group, part), *Wallace, Tr. Linn. Soc.* xxv. p. 23 (1865).

*Papilio* (sect. 66), *Felder, Spec. Lep. Pap.* p. 37. 84 (1865).

*Male.* Fore wing narrower than in *Byasa* (*B. Philoxenus*), triangular; the posterior margin shorter; cell comparatively longer; the fifth subcostal emitted somewhat further from beyond the cell: hind wing shorter, tailless; exterior margin undulated, but not scalloped; abdominal margin folded broadly over on to the upperside, and there forming a lengthened triangular lappet, which covers a plume of hairs extending along the lower submedian vein; cell longer, extending to about two thirds the length; antennal club shorter. *Female.* Wings broader than in male; hind wings slightly scalloped; tailless; abdominal margin normal.

## PANGERANA VARUNA.

*Papilio* Varuna, *White, Entom.* i. p. 280 (1842).

Thaing, King Island (Jan. and Feb.). The female only captured.

ORNITHOPTERA HELIACONOIDES, *Moore, P. Z. S.* 1877, p. 592.

Yimiki, King Island (Feb.).

A single female only captured, agreeing with the type excepting that the pale rays on the fore wings are fuliginous-black instead of grey.

## LEPTOCIRCUS MEGES.

*Papilio Meges*, *Zink. Som. Nova Acta Acad. N. C.* xv. p. 161, pl. 15. f. 8 (1831).

Sullivan Island (Jan.).

## Family HESPERIIDÆ.

## BADAMIA EXCLAMATIONIS.

*Papilio exclamationis*, *Fabr. Syst. Ent.* p. 530 (1775).

Sullivan Island (Jan.).

## ASTICTOPTERUS DIOCLES.

*Nisoniades Diocles*, *Moore, P. Z. S.* 1865, p. 787.

Mergui (Dec., March).

ASTICTOPTERUS STELLIFER, *Butler, Tr. Linn. Soc.*, 2nd ser. *Zool.* i. p. 555 (1879).

Mergui (Dec., March); Pataw Island (Dec.); Elphinstone Island (March); Thapo and Thaing, King Island (Jan. and Feb.).

ASTICTOPTERUS BUTLERI, *Wood-Mason, Journ. Asiat. Soc. Beng.* vol. lii. 1883, p. 98.

Thaing, King Island (Feb.).

## MATAPA SASIVARNA.

*Ismene Sasivarna*, *Moore, P. Z. S.* 1865, p. 784.

Pataw Island (Dec.).

## ERIONOTA IRAVA.

*Hesperia Irava*, *Moore, Catal. Lep. Mus. E.I. C.* i. p. 254 (1857).

Mergui (Nov., Dec.); Pataw Island (Dec.); Thapo, King Island (Jan.).

## BAORIS KUMARA.

*Hesperia Kumara*, *Moore, Catal. Lep. Mus. E.I. C.* i. p. 255 (1857); *P. Z. S.* 1878, p. 687.

Mergui (Dec., March).

## PARNARA TOONA.

*Hesperia Toona*, *Moore, P. Z. S.* 1878, p. 689.

Thaing, King Island (Feb.).

## PARNARA BEVANI.

*Hesperia Bevani*, *Moore, P. Z. S.* 1878, p. 688.

Minthantoung (Dec.); Elphinstone Island (March).

## CHAPRA AGNA.

*Hesperia Agna*, *Moore, P. Z. S.* 1865, p. 791.

Pataw Island (Dec.); Zediwon (Dec.).



## PLASTINGIA LATOIA.

Hesperia latoia, *Hewitson, Desc. Hesp.* p. 34 (1868).

Sullivan Island (Jan.).

## TELICOTA BAMBUSÆ.

Pamphila bambusæ, *Moore, P. Z. S.* 1878, p. 691, pl. 45. f. 11, 12.

Mergui (Jan., March).

## PADRAONA GOLA.

Pamphila gola, *Moore, P. Z. S.* 1877, p. 594, pl. 58. f. 9, ♂.

Mergui (Dec.); Thaïng, King Island (Feb.).

## PADRAONA MÆSOIDES.

Pamphila mæsoides, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool.* i. p. 554.

Thapo and Yimiki, King Island (Jan. and Feb.); Sullivan Island (Jan.); Mergui (March); Elphinstone Island (March).

## AMPITTIA MARO.

Hesperia maro, *Fabr. Ent. Syst. Suppl.* p. 432.

Cyclopides camertes, *Hewits. Desc. Hesp.* p. 43 (1868).

Mergui (March).

HALPE CEYLONICA, *Moore, P. Z. S.* 1878, p. 690, pl. 45. f. 9.

Mergui (Jan., March).

## HALPE ZEMA.

Hesperia zema, *Hewitson, Ann. & Mag. Nat. Hist.* 1877, 4th ser. vol. xix. p. 77.

Mergui (Nov.).

THANAOS INDISTINCTA, *Moore, P. Z. S.* 1878, p. 694.

Mergui (Dec.).

## TAGIADES RAVI.

Pterygospidea ravi, *Moore, P. Z. S.* 1865, p. 779.

Minthantoung (Dec.); Mergui (March and Dec.); Zediwon (Dec.); Pataw Island (Dec.); Sullivan Island (Jan.).

## HYAROTIS ADRASTUS.

Hesperia adrastus, *Cram. Pap. Exot.* iv. pl. 319. f. F, G (1780).

Elphinstone Island (March).

## SARANGESA DASAHARA.

Nisoniades dasahara, *Moore, P. Z. S.* 1865, p. 787.

Pataw Island (Dec. and Jan.); Thapo and Thaïng, King Island (Jan. and Feb.); Mergui (March).

## ANTIGONUS SURA.

Achlyodes sura, *Moore, P. Z. S.* 1865, p. 786.

Thaïng, King Island (Feb.).

## COLADENIA DAN.

Papilio dan, *Fabr. Mant. Ins.* ii. p. 88 (1787).

Mergui (March).

PLESIONEURA ALYSOS, *Moore, P. Z. S.* 1865, p. 789.  
Thaing, King Island (Feb.).

### HETEROCERA.

#### Family ZYGÆNIDÆ.

SYNTOMIS ATKINSONI, *Moore, P. Z. S.* 1871, p. 245, pl. 18. f. 2.  
One specimen, King Island (Jan.).

#### Family CHALCOSIIDÆ.

NYCTEMERA LATISTRIGA, *Walker, Catal. Lep. Het. B. M.* ii.  
p. 397.

One specimen, Mergui (Dec.).

#### CYCLOSIA PAPILIONARIS.

Phalæna-Noctua papilionaris, *Drury, Ill. Exot. Ent.* pl. 11. f. 4.

Three specimens, Mergui (Dec.); three specimens, Mergui  
(March); one specimen, Zediwon (Dec.); one specimen, King  
Island (Feb.).

#### CYCLOSIA PANTHONA.

Phalæna-Geom. Panthona, *Cram. Pap. Exot.* iv. pl. 322. f. C (1782).

Six specimens, Mergui (Dec.); one specimen, Mergui (March).

#### MILLERIA GEMINA.

Laurion gemina, *Walker, Catal. Lep. Het. B. M.* ii. p. 427.

Two specimens, Mergui (Dec.).

SCAPTESYLE TRICOLOR, *Walker, Catal. Lep. Het. B. M.* ii. p. 378.

Two specimens, Minthantoung (Dec.).

CHALCOSIA DISTINCTA, *Guérin in Delessert's Voy. dans l'Inde*,  
pl. 24. f. 3.

One specimen, Sullivan Island (Jan.).

PINTIA DRATARAJA, *Moore, Catal. Lep. Mus. E. I. C.* ii. p. 321,  
pl. 8a. f. 3 (1858).

One specimen, Mergui (Dec.).

PINTIA CYANEA, *Butler, Ann. & Mag. Nat. Hist.* 1883, 5th ser.  
xii. p. 160.

One specimen, Sullivan Island (Jan.).

#### CODANE ZENOTEA.

Gynautocera Zenotea, *Doubleday, Ann. & Mag. Nat. Hist.* 1847, 1st ser.  
vol. xix. p. 77, pl. 7. f. 2, ♂.

One specimen, Mergui (Dec.).

#### Family LITHOSIIDÆ.

LITHOSIA, sp. ?

One specimen (♀), Mergui (Dec.).

## LITHOSIA, sp. ?

One specimen, Sullivan Island (Jan.).

Two specimens of a Lithosiid of doubtful determination.

## ARGINA ASTREA.

Phalæna-Noctua Astrea, *Drury, Exot. Ins.* pl. 6. f. 3.

One specimen, Mergui (Dec.).

## Family LIPARIDÆ.

## ORGYIA, sp. ?

One specimen, Mergui (March).

A specimen of doubtful determination.

## ARTAXA VARIA.

Euproctis varia, *Walker, Catal. Lep. Het. B. M.* iv. p. 840 (1855).

Three specimens, King Island (Jan. and Feb.); one specimen, Mergui (March).

EUPROCTIS BIGUTTATA, *Walker, Catal. Lep. Het. B. M.* iv. p. 837 (1855).

One specimen (♀), Mergui (Dec.).

EUPROCTIS ATOMARIA, *Walker, Catal. Lep. Het. B. M.* iv. p. 837 (1855).

One specimen, Tavoy (Dec.).

EUPROCTIS MARGINALIS, *Walker, Catal. Lep. Het. B. M.* vii. p. 1731 (1856).

One specimen (♀), Minthantoung (Dec.); two specimens, Mergui (Dec.); one specimen, Elphinstone Island (March).

PROCODECA ANGULIFERA, *Walker, Catal. Lep. Het. B. M.* iv. p. 919 (1855).

One specimen (♀), Mergui (Dec.).

## REDOA, sp. ?

One specimen, King Island (Jan.). A specimen of doubtful determination.

## Family LASIOCAMPIDÆ.

TRABALA IRRORATA, *Moore, Tr. Ent. Soc.* 1884, p. 375; *Journ. Asiat. Soc. Bengal*, 1884, pt. ii. p. 205 (1885).

One specimen (♀), Tavoy (Dec.).

*Female.* Upperside dark olivaceous ochreous-yellow, sparsely speckled with dark purple-brown scales, which are most numerous disposed on the exterior border, and sinuously across the inner disk of both wings, and also subbasally across the fore wing, as well as on the posterior border of the fore wing. Both wings

with a discal transverse zigzag series of large lilacine-grey spots, which are also thickly speckled with dark-brown scales; fore wing also with the posterior border blotched with lilacine-grey, and with a prominent lilacine-grey spot, with dark brown-speckled border in the middle of the cell. Cilia entirely yellow. Underside slightly paler than the upperside; both wings with the discal zigzag spots as above, the exterior borders less sparsely speckled with brown scales; a slight brown-speckled sinuous discal band also on the hind wing; cell-spot indistinct. Body brighter yellow; anal tuft lilacine-white.

Expanse  $3\frac{1}{4}$  inches.

#### Family NYCTALEMONIDÆ.

NYCTALEMON DOCILE, *Butler, Trans. Linn. Soc.*, 2nd ser. *Zool.* vol. i. p. 562 (1879).

One male, Mergui (Dec.).

#### Family EUSCHEMIDÆ.

EUSCHEMA ANDERSONII, sp. n.

Nearest to *E. Bellona*, Walker. Both wings with a similar-shaped broad blue-black marginal band, which is, however, without markings, except a faint short streak beyond end of the cell of the fore wing; the basal area is also bright yellow, the black basal broad streaks being replaced by a few similarly-disposed small spots, which in the female are somewhat confluent; and the cell-spot on the hind wing is either obsolescent, or present only as a narrow lunular mark (whereas in *E. Bellona* the cell-spot is very large, of an irregular rounded shape, and is accompanied by a geminate inner marginal spot).

Expanse  $3\frac{1}{8}$  inches.

Mergui (March); Pataw Island (Dec.).

EUSCHEMA SUBREPLETA, *Walker, Catal. Lep. Het. B. M.* ii. p. 406.

One specimen, King Island (Feb.).

EUSCHEMA AURILIMBATA, *Moore, P. Z. S.* 1878, p. 846.

One specimen, Minthantoung (Dec.).

EUSCHEMA HORSFIELDII, *Moore, Catal. Lep. Mus. E.I. C.* ii. p. 334, pl. 8 a. f. 7.

One specimen, Minthantoung (Dec.).

## Family ENNOMIIDÆ.

## KALABANA PICARIA.

*Lagyra picaria*, *Walker, Catal. Lep. Het. B. M.* xxvi. p. 1541 (1862).

One specimen (Dec.).

## Family BOARMIIDÆ.

BOARMIA TRISPINARIA, *Walker, Catal. Lep. Het. B. M.* xxi. p. 378.

One specimen, Elphinstone Island (March).

BOARMIA, sp. ?

One specimen, Sullivan Island (Jan.). An undeterminable species.

## Family PALYADÆ.

One specimen, King Island (Feb.).

A specimen, not in good condition, allied to the genus *Eumelea*.

## Family MICRONIIDÆ.

MICRONIA CASEATA, *Guénée, Phal.* ii. p. 27.

One specimen, Tavoy (Dec.).

MICRONIA ACULEATA, *Guénée, Phal.* ii. p. 26, pl. 13. f. 8.

Two specimens, Sullivan Island (Jan.).

MICRONIA VAGATA, *Moore, P. Z. S.* 1867, p. 622, pl. 60. f. 18.

One specimen, Sullivan Island (Jan.).

## Family ACIDALIIDÆ.

ACIDALIA, sp. ?

Three specimens, Mergui (Dec. 1881), and one specimen (March); two specimens, King Island (Jan., Feb.); one specimen, Sullivan Island (Jan.). An undeterminable species.

ZANCLOPTERYX SAPONARIA, *Walker, Catal. Lep. Het. B. M.* xxiii. p. 810.

## Family ZERENIDÆ.

ABRAXAS TRISERIARIA, *Walker, Catal. Lep. Het. B. M.* xxiv. p. 1125.

Two specimens, Sullivan Island (Jan.).

## Family HYPOGRAMMIDÆ.

OROMENA RELIQUENDA.

*Briada reliquenda*, *Walker, Catal. Lep. Het. B. M.* xv. p. 1802.

One specimen, King Island (Jan.).

## Family OMMATOPHORIDÆ.

## ARGIVA HIEROGLYPHICA.

Phalæna-Noctua hieroglyphica, *Drury, Exot. Ins.* ii. pl. 2. f. 1.

One specimen, King Island (Feb.).

## NYCTIPAO CREPUSCULARIS.

Phalæna-Attacus crepuscularis, *Linn. (Clerck, Icones,* pl. 53. f. 3, 4).

One specimen, King Island (Jan.).

## Family REMIGIIDÆ.

## REMIGIA FRUGALIS.

Noctua frugalis, *Fab. Ent. Syst.* iii. 2, p. 138.

One specimen, Mergui (Dec.).

## CAUNINDA ARCHESIA.

Phalæna-Noctua Archesia, *Cram. Pap. Exot.* iii. pl. 273. f. F, G.

One specimen, King Island (Feb.).

## Family THERMESIIDÆ.

THERMESIA SIGNIPALPIS, *Walker, Catal. Lep. Het. B. M.* xv. p. 1572.

One specimen, Sullivan Island (Jan.).

## SONAGARA RETICULATA.

Thermesia reticulata, *Walker, Catal. Lep. Het. B. M., Suppl.* p. 1062.

One specimen, Mergui (March).

## CAPNODES, sp. ?

One specimen, Mergui (Dec.). An undeterminable species.

## APPHADANA EVULSALIS.

Apphadana evulsalis, *Walker, Catal. Lep. Het. B. M.* xxiv. p. 1213.

One specimen, Mergui (Dec.).

## Family HYPENIDÆ.

HYPENA PACTALIS, *Walker, Catal. Lep. Het. B. M.* xvi. p. 64.

Two specimens, Mergui (Dec.).

## HYPENA, sp. ?

One specimen, Mergui (March). An undeterminable species.

## Family PYRALIDÆ.

VITESSA SURADEVA, *Moore, Catal. Lep. Mus. E.I. C.* ii. pl. 7 a. f. 7.

One specimen, Mergui (Dec.).

RHODONEURA PURALIS, *Walker, Catal. Lep. Het. B. M., Suppl.*  
p. 1238.

One specimen, Sullivan Island (Jan.).

OLIGOSTIGMA, sp. ?

One specimen, Minthantoung (Dec.). An undeterminable species.

HYMENIA RECURVALIS, *Fabr. (Walker, Catal. Lep. Het. B. M. xvii. p. 369).*

Two specimens, Mergui (Dec.).

LEPYRODES GEOMETRALIS, *Guénée, Delt. et Pyral. p. 277.*

One specimen, King Island (July).

PHALANGIODES NEPTISALIS, *Guénée, Delt. et Pyral. p. 279.*

Two specimens, Mergui (Dec.); one specimen, Mergui (March).

GLYPHODES DIURNALIS, *Guénée, Delt. et Pyral. p. 294, pl. 4. f. 5.*

One specimen, Mergui (Dec.).

ÆDIODES, sp. ?

One specimen, Minthantoung (Dec.). An undeterminable species.

ZEBRONIA PLUTUSALIS, *Walker, Catal. Lep. B. M. xvii. p. 478.*

No locality given.

PYRAUSTA, sp. ?

One specimen, Sullivan Island (Jan.). An undeterminable species.

COPTOBASIS, sp. ?

One specimen, Mergui (March). An undeterminable species.

BOTYS CALDUSALIS, *Walker, Catal. Lep. Het. B. M. xviii. p. 650.*

One specimen, King Island (Dec.).

BOTYS MULTILINEALIS, *Walker, Catal. Lep. Het. B. M. xviii. p. 661.*

One specimen, Mergui (March).

BOTYS RUTILATIS, *Walker, Catal. Lep. Het. B. M. xviii. p. 665.*

One specimen, Mergui (Dec.).

BOTYS RURALIS, *Walker, Catal. Lep. Het. B. M. xviii. p. 666.*

One specimen, Minthantoung (Dec.).

## Family CRAMBIDÆ.

CHILO GRATIOSELLA, *Walker, Catal. Lep. Het. B. M.* xxx.  
p. 967.

Five specimens, Minthantoung (Dec.).

APURIMA XANTHOGASTRELLA, *Walker, Catal. Lep. Het. B. M.*  
xxvii. p. 194.

Two specimens (one a female), Minthantoung (Dec.).

## DESCRIPTION OF THE PLATES.

## PLATE III.

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| <p>Fig. 1. <i>Neptis Thamala</i>, ♀, p. 36.<br/>2. <i>Elymnias obnubila</i>, p. 33.<br/>3. <i>Euthalia Andersonii</i>, ♂, p. 38.<br/>4. ———, ♀, p. 38.</p> | <p>Fig. 5. <i>Dyctis Andersonii</i>, ♂, p. 33.<br/>6. <i>Logania Andersonii</i>, ♀, p. 39.<br/>7. <i>L. marmorata</i>, p. 39.<br/>8. <i>L. substrigosa</i>, p. 39.</p> |
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## PLATE IV.

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| <p>Fig. 1. <i>Thamala miniata</i>, ♀, p. 42.<br/>2. <i>Biduanda Fabricii</i>, ♂, p. 42.<br/>3. ———, ♀, p. 42.<br/>4. <i>Amblypodia Andersonii</i>, ♂,<br/>p. 44.</p> | <p>Fig. 5. <i>Terias patruelis</i>, ♂, p. 46.<br/>6. <i>T. fraternus</i>, ♂, p. 46.<br/>7. <i>T. merguiana</i>, ♂, p. 47.<br/>8. <i>T. Andersonii</i>, ♂, p. 47.<br/>9. <i>T. Kana</i>, ♂, p. 48.</p> |
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